

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,000,464 B2
APPLICATION NO. : 10/803149
DATED : February 21, 2006
INVENTOR(S) : McMillan et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 12, Lns. 8-11, please cancel the text "18. The system of claim 16, further including: the adaptive response circuit providing a control signal to the driver circuit based on the variation of the temperature difference." and insert the following claim:

- 18. A system for controlling the flow of fluid at a measured rate of flow, comprising:
a flow sensing assembly, comprising:
 a conduit having walls for containing and transporting the fluid;
 at least two heat detectors mounted at spaced positions from each other on the conduit walls and measuring the temperature of the fluid and conduit at the spaced positions;
 at least two electrical power applicators mounted on the conduit and allowing electrical current to flow in the conduit walls to heat the fluid in the conduit at and maintain an established temperature differential;
 a housing body having the flow sensing assembly contained therein;
 a control mechanism for obtaining measurements of the amount of energy furnished to the heat applicators to the established temperature differential between the spaced positions;
 an indicator mechanism responsive to the control mechanism providing a measure of the fluid flow rate based on the measurements obtained by the control mechanism; and
 a flow regulating valve responsive to the measure of the fluid flow rate to control the flow of fluid in the conduit.--

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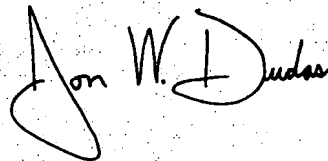
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 12, Lns. 12-14, please cancel the text "19. The system of claim 15, further including: a driver circuit applying pulses of electrical current to the electrical power applicators." and insert the following claim:

-- 19. A system for measuring the flow of fluid in a conduit, comprising:
at least two heat detectors mounted at spaced positions from each other on the conduit measuring the temperature of the fluid and conduit at the spaced positions;
an amplifier forming a measure of difference in temperature sensed by the heat detectors;
a comparator forming a signal representative of the variation of the temperature difference measured by the heat detectors from an established temperature differential;
at least two electrical power applicators mounted at different locations on the conduit and allowing electrical current to flow in the conduit walls to heat the fluid in the conduit and maintain an established temperature differential between the spaced positions;
a control mechanism for obtaining measurements of the level of electrical power furnished to the power applicators to maintain the established temperature differential between the spaced positions; and
an indicator mechanism responsive to the control mechanism providing a measure of the fluid flow rate based on the measurements obtained by the control mechanism.--

Signed and Sealed this

Sixth Day of November, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas", is written over a faint, circular, dotted background.

JON W. DUDAS

Director of the United States Patent and Trademark Office